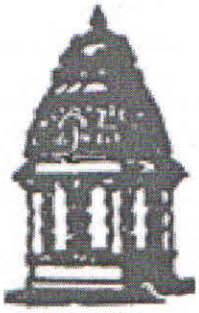
BRUHAT BANGALORE MAHANAGARA PALIKE



Asst. Executive Engineer,
Vidyaranyapura Sub division

MODIFIED ESTIMATE

Name of Work:- Improvements to Roads and Drains surrounding in Ward No.10

Est Cost:100.00 Lakhs

Job Code:010-20-000063

Name of The Contractor:Sri.K.V. Subba Reddy

BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work:Improvements to Roads and Drains surrounding in Ward No.10

Est .Cost Rs. 100.00 Lakhs

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
1	Removing and resetting of footpath slab								
	R/R Slabs								
	Muneshwara Nagara								
	2nd cross road,								
	LHS		1	80.80	0.90		72.72		
	RHS		1	80.80	0.90		72.72		
	RR School Main Road		1	165.00	0.90		148.50		
							293.94		
	20% Missing Slabs						53.00		
	Modified Quantity	Sqm					**240.94**		
	Schedule-B Quantity	Sqm					648.90		
	Quantity upto 125%	Sqm					240.94	219.05	52777.91
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								
	For Desilting of drains								
	2nd cross road, Muneshwara Nagara								
	LHS		1	104.80	0.50	0.50	26.20		
	RHS		1	80.80	0.50	0.50	20.20		
	RR School Main Road		1	184.00	0.50	0.55	50.60		
	For New RCC Drain								
	RR School Main Road at 1st cross		1	3.20	1.10	0.90	3.17		
	M Kempanna Layout								
	1st Cross road								
	LHS		1	38.40	1.10	0.90	38.02		
			1	65.30	0.95	0.90	55.83		
	RHS		1	114.40	1.10	0.90	113.26		
	1st A Cross road								
			2	20.60	0.95	0.90	35.23		
	1st B Cross road								
	LHS		1	33.60	1.10	0.90	33.26		
	RHS		1	33.60	0.80	0.90	24.19		
	1st C Cross road								
	RHS		1	34.80	0.80	0.90	25.06		
	1st D Cross road								
	LHS		1	51.50	0.80	0.90	37.08		
	RHS		1	37.00	0.95	0.90	31.64		
	For New RCC Culvert								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		1	5.90	2.20	1.00	12.98		
	RHS		1	5.75	2.20	1.00	12.65		
	Culvert at 1st B Cross								
	LHS		1	5.60	2.00	1.00	11.20		
	RHS		1	5.10	2.00	1.00	10.20		
	Culvert at 1st C Cross								
	RHS		1	4.40	2.00	1.00	8.80		
	Culvert at 1st D Cross								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	RHS		1	4.30	2.00	1.00	8.60		
	Modified Quantity	**Cum**					**558.15**		
	Schedule-B Quantity	**Cum**					**642.74**		
	Quantity upto 125%	**Cum**					**558.15**	**144.55**	**80681.23**
3	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1. Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408								
	For New RCC Drain								
	RR School Main Road at 1st cross		1	3.20	1.00	0.10	0.32		
	M Kempanna Layout								
	1st Cross road								
	LHS		1	38.40	1.10	0.15	6.34		
			1	65.30	0.95	0.15	9.31		
	RHS		1	114.40	1.10	0.15	18.88		
	1st A Cross road								
			2	20.60	0.95	0.15	5.87		
	1st B Cross road								
	LHS		1	33.60	1.10	0.15	5.54		
	RHS		1	33.60	0.80	0.15	4.03		
	1st C Cross road								
	RHS		1	34.80	0.80	0.15	4.18		
	1st D Cross road								
	LHS		1	51.50	0.80	0.15	6.18		
	RHS		1	37.00	0.90	0.15	5.00		
	For New RCC Culvert								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		1	5.90	2.20	0.15	1.95		
	RHS		1	5.75	2.20	0.15	1.90		
	Culvert at 1st B Cross								
	LHS		1	5.60	2.00	0.15	1.68		
	RHS		1	5.10	2.00	0.15	1.53		
	Culvert at 1st C Cross								
	RHS		1	4.40	2.00	0.15	1.32		
	Culvert at 1st D Cross								
	RHS		1	4.30	2.00	0.15	1.29		
	Modified Quantity	**Cum**					**75.30**		
	Schedule-B Quantity	**Cum**					**113.68**		
	Quantity upto 125%	**Cum**					**75.30**	**4699.00**	**353833.53**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm								
	For New RCC Drain								
	For RCC Bottom Raft								
	RR School Main Road at 1st cross		1	3.20	0.90	0.10	0.29		
	M Kempanna Layout								
	1st Cross road								
	LHS		1	38.40	0.90	0.15	5.18		
			1	65.30	0.75	0.15	7.35		
	RHS		1	114.40	0.90	0.15	15.44		

No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	1st A Cross road								
			2	20.60	0.75	0.15	4.64		
	1st B Cross road								
	LHS		1	33.60	0.90	0.15	4.54		
	RHS		1	33.60	0.60	0.15	3.02		
	1st C Cross road								
	RHS		1	34.80	0.60	0.15	3.13		
	1st D Cross road								
	LHS		1	51.50	0.60	0.15	4.64		
	RHS		1	37.00	0.75	0.15	4.16		
	For RCC Wall								
	RR School Main Road at 1st cross		2	3.20	0.15	0.60	0.58		
	M Kempanna Layout								
	1st Cross road								
	LHS		2	38.40	0.15	0.75	8.64		
			2	65.30	0.15	0.60	11.75		
	RHS		2	114.40	0.15	0.60	20.59		
	1st A Cross road								
			4	20.60	0.15	0.60	7.42		
	1st B Cross road								
	LHS		2	33.60	0.15	0.60	6.05		
	RHS		2	33.60	0.15	0.60	6.05		
	1st C Cross road								
	RHS		2	34.80	0.15	0.60	6.26		
	1st D Cross road								
	LHS		2	51.50	0.15	0.45	6.95		
	RHS		2	37.00	0.15	0.60	6.66		
	Concrete For Vent Portion								
	Krishnanath Vilas								
	1st cross		1	17.50	1.20	0.15	3.15		
	2nd cross road, Muneshwara Nagara								
	LHS		1	50.00	0.50	0.10	2.50		
	RHS		1	60.00	0.50	0.10	3.00		
	Modified Quantity	**Cum**					**141.99**		
	Schedule-B Quantity	**Cum**					**241.60**		
	Quantity upto 125%	**Cum**					**141.99**	**7416.64**	**1053068.32**
5	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	For New RCC Culvert								
	M Kempanna Layout								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		2	5.90		0.25	2.95		
	RHS		2	5.75		0.25	2.88		
	Culvert at 1st B Cross								
	LHS		2	5.60		0.25	2.80		
	RHS		2	5.10		0.25	2.55		
	Culvert at 1st C Cross								
	RHS		2	4.40		0.20	1.76		
	Culvert at 1st D Cross								
	RHS		2	4.30		0.20	1.72		
	Modified Quantity	**Sqm**					**14.66**		
	Schedule-B Quantity	**Sqm**					**12.00**		

No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	Quantity upto 125%	Sqm					14.66	286.88	4204.23
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	For New RCC Culvert								
	M Kempanna Layout								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		4	5.90		0.60	14.16		
	RHS		4	5.75		0.60	13.80		
	Culvert at 1st B Cross								
	LHS		4	5.60		0.60	13.44		
	RHS		4	5.10		0.55	11.22		
	Culvert at 1st C Cross								
	RHS		4	4.40		0.55	9.68		
	Culvert at 1st D Cross								
	RHS		4	4.30		0.55	9.46		
	Modified Quantity	Sqm					71.76		
	Schedule-B Quantity	Sqm					57.60		
	Quantity upto 125%	Sqm					71.76	398.00	28560.48
7	Providing and laying in Position Palin/ Reinforced cement concrete M-20 for Sub Structure/ Super Structure Works,in with cement @ 320 kg, 20mm & down size graded graniteMetal Coarse Aggrigate @ 0.69 cum and fine aggregates @ 0.46 cum, Machine Mixed with super plasticiser @ 3lts confirmingto IS-9103- ,2008 Concrete laid in layers,Well Compacted and Providing Weep Holes Wherever Necessery Scoffolding, form work etc,, including Cost of Labour, HOM Curing etc,, complete								
	M Kempanna Layout								
	For New RCC Culvert								
	For Bottom Raft								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		1	5.90	1.80	0.25	2.66		
	RHS		1	5.75	1.80	0.25	2.59		
	Culvert at 1st B Cross								
	LHS		1	5.60	1.50	0.25	2.10		
	RHS		1	5.10	1.50	0.25	1.91		
	Culvert at 1st C Cross								
	RHS		1	4.40	1.50	0.20	1.32		
	Culvert at 1st D Cross								
	RHS		1	4.30	1.50	0.20	1.29		
	For RCC Wall								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		2	5.90	0.30	0.60	2.12		
	RHS		2	5.75	0.30	0.60	2.07		
	Culvert at 1st B Cross								
	LHS		2	5.60	0.30	0.60	2.02		
	RHS		2	5.10	0.30	0.55	1.68		
	Culvert at 1st C Cross								
	RHS		2	4.40	0.30	0.55	1.45		
	Culvert at 1st D Cross								
	RHS		2	4.30	0.30	0.55	1.42		
	Ramp For RCC Culvert								
	1st Cross road								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	Culvert at 1st A Cross								
	LHS		1	5.90	0.75	0.15	0.66		
	RHS		1	5.75	0.75	0.15	0.65		
	Culvert at 1st B Cross								
	LHS		1	5.60	0.75	0.15	0.63		
	RHS		1	5.10	0.75	0.15	0.57		
	Culvert at 1st C Cross								
	RHS		1	4.40	0.75	0.15	0.50		
	Culvert at 1st D Cross								
	RHS		1	4.30	0.80	0.15	0.52		
	Modified Quantity	**Cum**					**26.15**		
	Schedule-B Quantity	**Cum**					**14.40**		
	Quantity upto 125%	**Cum**					**18.00**	**5536.35**	**99654.30**
	Quantity Above 125%	**Cum**					**8.15**	**5930.49**	**48359.43**
8	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 TMT Bars Fe-500								
	Consider 55kg/cum For RCC Culvert		1	138.84	60.00		8330.24		
	Consider 90kg/cum For RCC Culvert		1	22.63	90.00		2036.61		
							10366.85		
	Modified Quantity	**Tonne**					**10.37**		
	Schedule-B Quantity	**Tonne**					**14.08**		
	Quantity Upto 125%	**Tonne**					**10.37**	**68234.20**	**707373.38**
9	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.								
	For New RCC Drain								
	RR School Main Road at 1st cross		1	3.20	0.90		2.88		
	M Kempanna Layout								
	1st Cross road								
	LHS		1	80.30	0.75		60.23		
	RHS		1	114.40	0.90		102.96		
	1st B Cross road								
	LHS		1	33.60	0.90		30.24		
	1st C Cross road								
	RHS		15	0.60	0.75		6.75		
	1st D Cross road								
	LHS		15	0.60	0.75		6.75		
	RHS		21	0.60	0.75		9.45		
	Krishnanath Vilas								
	1st cross		1	17.50	2.10		36.75		
	Modified Quantity	**Sqm**					**256.01**		
	Schedule-B Quantity	**Sqm**					**728.10**		
	Quantity upto 125%	**Sqm**					**256.01**	**1014.00**	**259589.07**
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications								
	For New RCC Drain								
	RR School Main Road at 1st cross		1	3.20	0.90		2.88		

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	M Kempanna Layout								
	1st Cross road								
	LHS		1	80.30	0.75		60.23		
	RHS		1	114.40	0.90		102.96		
	1st B Cross road								
	LHS		1	33.60	0.90		30.24		
	1st C Cross road								
	RHS		15	0.60	0.75		6.75		
	1st D Cross road								
	LHS		15	0.60	0.75		6.75		
	RHS		21	0.60	0.75		9.45		
	Krishnanath Vilas								
	1st cross		1	17.50	2.10		36.75		
	Modified Quantity	Sqm					256.01		
	Schedule-B Quantity	Sqm					653.85		
	Quantity up to 125%	Sqm					256.01	997.41	255341.95
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded)								
	For New RCC Drain								
	RR School Main Road at 1st cross		5	3.00			15.00		
	M Kempanna Layout								
	1st Cross road								
	LHS		134	2.70			361.80		
	RHS		191	3.00			573.00		
	1st B Cross road								
	LHS		56	3.00			168.00		
	1st C Cross road								
	RHS		13	2.70			35.10		
	1st D Cross road								
	LHS		13	2.70			35.10		
	RHS		21	2.70			56.70		
	Krishnanath Vilas								
	1st cross		29	5.40			156.60		
	Modified Quantity	Sqm					1401.30		
	Schedule-B Quantity	Sqm					1779.90		
	Quantity up to 125%	Sqm					1401.30	64.49	90369.84
12	RCC Precast Cover Slab of 250mm thick providing and fixing precast reinforced cement concrete covering slabs of 25cm thick made out of M25 with OPC Cement @340kg/cum with 20mm and down size graded granite metal coarse aggregates at 0.70cum and fine aggrigates at 0.74cum with superplasticiseers,machine mixed including providing and removing,centring,shuttering,strutting,propping, etc,,for edge of slabs with TMT Steels (Fe-500) cost and reinforcement charges, including finishing as required with cost of all materials, labours and all lead and lift, HOM Machineries,curing,including cost reinforcement etc..,, complete as per direction of Engineer incharge of the work.								
	M Kempanna Layout								
	For New RCC Culvert								
	For Bottom Raft								
	1st Cross road								
	Culvert at 1st A Cross								
	LHS		1	5.90	1.80		10.62		
	RHS		1	5.75	1.80		10.35		
	Culvert at 1st B Cross								
	LHS		1	5.60	1.50		8.40		
	RHS		1	5.10	1.50		7.65		

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	Culvert at 1st C Cross								
	RHS		1	4.40	1.50		6.60		
	Culvert at 1st D Cross								
	RHS		1	4.30	1.50		6.45		
	Modified Quantity	**Sqm**					**50.07**		
	Schedule-B Quantity	**Sqm**					**28.80**		
	Quantity up to 125%	**Sqm**					**36.00**	**5472.63**	**197014.68**
	Quantity Above 125%	**Sqm**					**14.07**	**5472.63**	**76999.90**
13	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.								
	For CC Road								
	M Kempanna Layout								
	1st B Cross road		1	33.60	4.30	0.15	21.67		
	1st D Cross road		1	43.20	4.30	0.15	27.86		
	Muneshwara Nagara								
	2nd Cross road		1	35.00	3.40	0.15	17.85		
	Modified Quantity	**Cum**					**67.39**		
	Schedule-B Quantity	**Cum**					**48.75**		
	Quantity up to 125%	**Cum**					**60.94**	**999.63**	**60914.95**
	Quantity Above 125%	**Cum**					**6.45**	**999.54**	**6445.53**
14	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road (Road Cutting Portion)		2	120.00	1.10	0.25	66.00		
			1	23.00	4.90	0.25	28.18		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10	0.35	234.85		
	Kalparuksha Layout								
	Dead End Road (Road Cutting Portion)		2	247.00	1.00	0.35	172.90		
	For CC Road								
	M Kempanna Layout								
	1st A Cross road		1	24.00	4.60	0.20	22.08		
	1st B Cross road		1	33.60	4.30	0.20	28.90		
	1st C Cross road		1	34.80	4.60	0.20	32.02		
	1st D Cross road		1	43.20	4.30	0.20	37.15		
	Muneshwara Nagara								
	2nd Cross road		1	109.00	3.70	0.20	80.66		
	Infront of Govt Primery School Ramachandrapura		1	32.00	20.00	0.20	128.00		
	Modified Quantity	**Cum**					**830.73**		
	Schedule-B Quantity	**Cum**					**109.66**		
	Quantity up to 125%	**Cum**					**137.08**	**45.59**	**6249.25**
	Quantity Above 125%	**Cum**					**693.65**	**45.59**	**31623.69**

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
15	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @150Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. . MORTH Specification No. 601								
	For CC Road								
	M Kempanna Layout								
	1st A Cross road		1	24.00	4.60	0.15	16.56		
	1st B Cross road		1	33.60	4.30	0.15	21.67		
	1st C Cross road		1	34.80	4.60	0.15	24.01		
	1st D Cross road		1	43.20	4.30	0.15	27.86		
	Muneshwara Nagara								
	2nd Cross road		1	109.00	3.70	0.15	60.50		
	Ramachandrapura		1	18.50	18.50	0.15	51.34		
			1	15.00	1.50	0.15	3.38		
	Modified Quantity	**Cum**					**205.32**		
	Schedule-B Quantity	**Cum**					**47.25**		
	Quantity up to 125%	**Cum**					**59.06**	**4075.26**	**240695.04**
	Quantity Above 125%	**Cum**					**146.25**	**4259.87**	**623018.72**
16	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)								
	For CC Road								
	M Kempanna Layout								
	1st A Cross road		1	24.00	4.60	0.15	16.56		
	1st B Cross road		1	33.60	4.30	0.15	21.67		
	1st C Cross road		1	34.80	4.60	0.15	24.01		
	1st D Cross road		1	43.20	4.30	0.15	27.86		
	Muneshwara Nagara								
	2nd Cross road		1	109.00	3.70	0.15	60.50		
	Infront of Govt Primery School Ramachandrapura		1	18.50	18.50	0.15	51.34		
			1	15.00	1.50	0.15	3.38		
	Modified Quantity	**Cum**					**205.32**		
	Schedule-B Quantity	**Cum**					**254.66**		
	Quantity up to 125%	**Cum**					**205.32**	**5466.30**	**1122316.12**
17	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	For CC Road								
	M Kempanna Layout								
	1st A Cross road		1	24.00	4.60		110.40		
	1st B Cross road		1	33.60	4.30		144.48		
	1st C Cross road		1	34.80	4.60		160.08		
	1st D Cross road		1	43.20	4.30		185.76		
	Muneshwara Nagara								
	2nd Cross road		1	109.00	3.70		403.30		
	Infront of Govt Primery School Ramachandrapura		1	18.50	18.50		342.25		
			1	15.00	1.50		22.50		
	Modified Quantity	Sqm					1368.77		
	Schedule-B Quantity	Sqm					1697.70		
	Quantity up to 125%	Sqm					1368.77	75.61	103492.70
18	Wet Mix Macadam - Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		2	120.00	1.10	0.23	60.72		
			1	23.00	4.90	0.23	25.36		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10	0.23	154.33		
	Kalparuksha Layout								
	Dead End Road (Road Cutting Portion)		2	247.00	1.00	0.23	113.62		
	Modified Quantity	Cum					354.03		
	Schedule-B Quantity	Cum					52.50		
	Quantity up to 125%	Cum					65.63	2099.34	137769.19
	Quantity Above 125%	Cum					288.40	2099.14	605397.97
19	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		2	120.00	1.10		264.00		
			1	23.00	4.90		112.70		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10		671.00		
	Kalparuksha Layout								
	Dead End Road (Road Cutting Portion)		2	247.00	1.00		494.00		
	Modified Quantity	Sqm					1541.70		
	Schedule-B Quantity	Sqm					233.32		
	Quantity up to 125%	Sqm					291.65	31.30	9128.65
	Quantity Above 125%	Sqm					1250.05	35.58	44475.14
20	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501								
	For Asphalt Road								
	M Kempanna Layout								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	1st cross road		1	143.00	5.40		772.20		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10		671.00		
	Kalparuksha Layout								
	Dead End Road		1	247.00	4.80		1185.60		
	Modified Quantity	**Sqm**					2628.80		
	Schedule-B Quantity	**Sqm**					4928.28		
	Quantity up to 125%	**Sqm**					2628.80	5.56	**14616.13**
21	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		1	143.00	5.40		772.20		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10		671.00		
	Kalparuksha Layout								
	Dead End Road		1	247.00	4.80		1185.60		
	Modified Quantity	**Sqm**					2628.80		
	Schedule-B Quantity	**Sqm**					5859.55		
	Quantity up to 125%	**Sqm**					2628.80	13.34	**35068.19**
22	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		2	120.00	1.10	0.05	13.20		
			1	23.00	4.90	0.05	5.64		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10	0.05	33.55		
	Kalparuksha Layout								
	Dead End Road (Road Cutting Portion)		2	247.00	1.00	0.05	24.70		
	Modified Quantity	**Cum**					77.09		
	Schedule-B Quantity	**Cum**					34.90		
	Quantity up to 125%	**Cum**					43.63	6721.68	**293233.29**
	Quantity Above 125%	**Sqm**					33.46	7649.42	**255949.52**
23	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 of MORTH V revision as per IRC SP-53-2015. do Using - 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% of Modified bituminous binder consisting of 4.97% of VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (Waste plastic)								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		1	143.00	5.40	0.04	30.89		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10	0.04	26.84		
	Kalparuksha Layout								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	Dead End Road		1	247.00	4.80	0.04	47.42		
	Modified Quantity	**Cum**					**105.15**		
	Schedule-B Quantity	**Cum**					**206.46**		
	Quantity up to 125%	**Cum**					**105.15**	**7715.75**	**811326.54**
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		2	143.00	0.10		28.60		
	Krishnanath Vilas								
	1st cross, 2nd stage		2	110.00	0.10		22.00		
	Kalparuksha Layout								
	Dead End Road		2	247.00	0.10		49.40		
	Modified Quantity	**Sqm**					**100.00**		
	Schedule-B Quantity	**Sqm**					**218.46**		
	Quantity up to 125%	**Sqm**					**100.00**	**477.00**	**47700.00**
25	Cost of Haulage including Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.As Per the direction of Engineer Incharge of the work								
	Vide Qty Same As per Item No.2,13,14,E4						1551.55		
	Modified Quantity	**Cum**					**1551.55**		
	Schedule-B Quantity	**Cum**					**801.15**		
	Quantity up to 125%	**Cum**					**1001.44**	**86.65**	**86774.56**
	Quantity Above 125%	**Cum**					**550.11**	**86.65**	**47667.28**
E1	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54,17 (400x150x200mm)								
	RR School Main Road		2	35.50		0.20	14.20		
	Muneshwara Nagara								
	2nd cross road		4	71.00		0.20	56.80		
	Modified Quantity	**Sqm**					**71.00**		
	Schedule-B Quantity	**Sqm**					**0.00**		
	Quantity Above 125%	**Sqm**					**71.00**	**1036.41**	**73584.91**
E2	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 25 / Item No. 5.6, PWD SR 2018-19)								
	Krishnanath Vilas								
	1st cross		2	17.50	0.45	0.60	9.45		
	Modified Quantity	**Sqm**					**9.45**		
	Schedule-B Quantity	**Sqm**					**0.00**		
	Quantity Above 125%	**Sqm**					**9.45**	**5171.65**	**48872.11**
E3	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.**(Data Rate)**								
	For New RCC Drain								

Sl No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	M Kempanna Layout								
	1st cross		1	23.40	0.90		21.06		
	1st A Cross		2	11.60	0.75		17.40		
			2	9.00	0.60		10.80		
	1st B Cross		1	33.60	0.60		20.16		
	1st C Cross		1	27.60	0.60		16.56		
	1st D Cross		1	44.00	0.60		26.40		
			1	25.00	0.60		15.00		
	2nd Cross,Muneshwara Nagara		1	30.00	0.75		22.50		
			1	19.00	0.75		14.25		
	Missing Slabs						53.00		
	Modified Quantity	**Sqm**					**217.13**		
	Schedule-B Quantity	**Sqm**					**0.00**		
	Quantity Above 125%	**Sqm**					**217.13**	**2451.28**	**532246.27**
E4	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3								
	For Asphalt road								
	M Kempanna Layout								
	1st cross road		2	120.00	1.10		264.00		
			1	23.00	4.90		112.70		
	1st A Cross road		1	24.00	4.60		110.40		
	1st C Cross road		1	34.80	4.60		160.08		
	Muneshwara Nagara								
	2nd Cross road		1	109.00	3.80		414.20		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10		671.00		
	Modified Quantity	**Sqm**					**1732.38**		
	Schedule-B Quantity	**Sqm**					**0.00**		
	Quantity Above 125%	**Sqm**					**1732.38**	**100.07**	**173350.71**
E5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page no-147, item no-19.60)								
	Infront of Govt Primery School Ramachandrapura		1	32.00	20.00	0.60	384.00		
	Modified Quantity	**Cum**					**384.00**		
	Schedule-B Quantity	**Cum**					**0.00**		
	Quantity Above 125%	**Cum**					**384.00**	**361.35**	**138756.88**
E6	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material (Page no-153, Item no-20.5)								
	For Asphalt Road								
	M Kempanna Layout								
	1st cross road		2	120.00	1.10	0.10	26.40		
			1	23.00	4.90	0.15	16.91		
	Krishnanath Vilas								
	1st cross, 2nd stage		1	110.00	6.10	0.15	100.65		
	Kalparuksha Layout								

S No	Description of Items	Unit	No	Length (M)	Breadth (M)	Depth (M)	Qty	Rate	Amount
	Dead End Road (Road Cutting Portion)		2	190.00	1.00	0.15	57.00		
	Modified Quantity	Cum					200.96		
	Schedule-B Quantity	Cum					0.00		
	Quantity Above 125%	Cum					200.96	2092.47	420492.63
								Total Construction Cost	9278994.20
								GST Charges 12%	1113479.30
								Total	10392473.51

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2018-19
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No- 10
BBMP

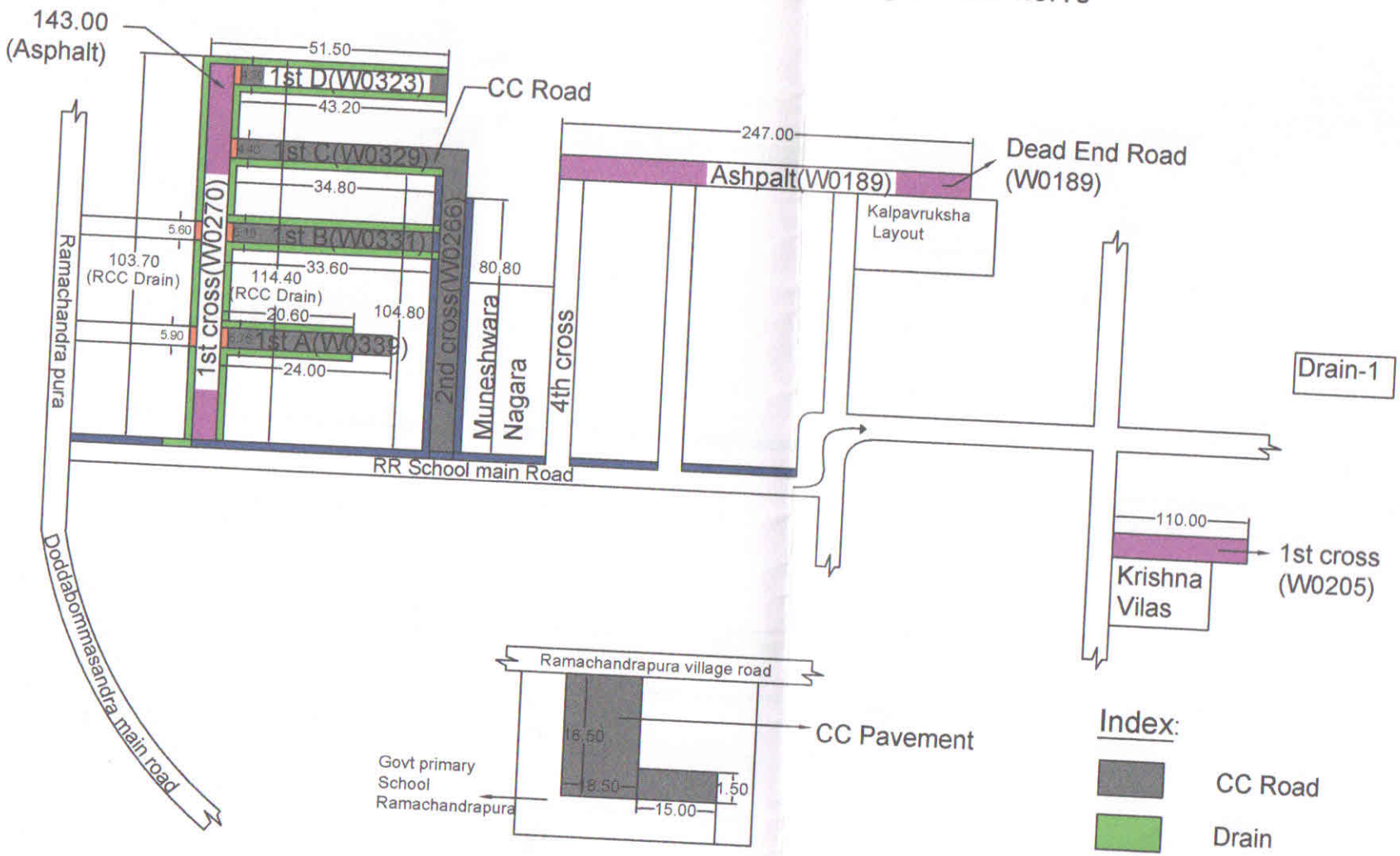
ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Asst Executive Engineer
Vidyaranyapura Sub division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Technical Sanction
Accorded For Rs 10392473.51
Head of A/C PDSU1
CER NO : 61 Dt: 12.10.2021

Name of work: Improvements of roads and drains surrounding in ward no.10



Index:

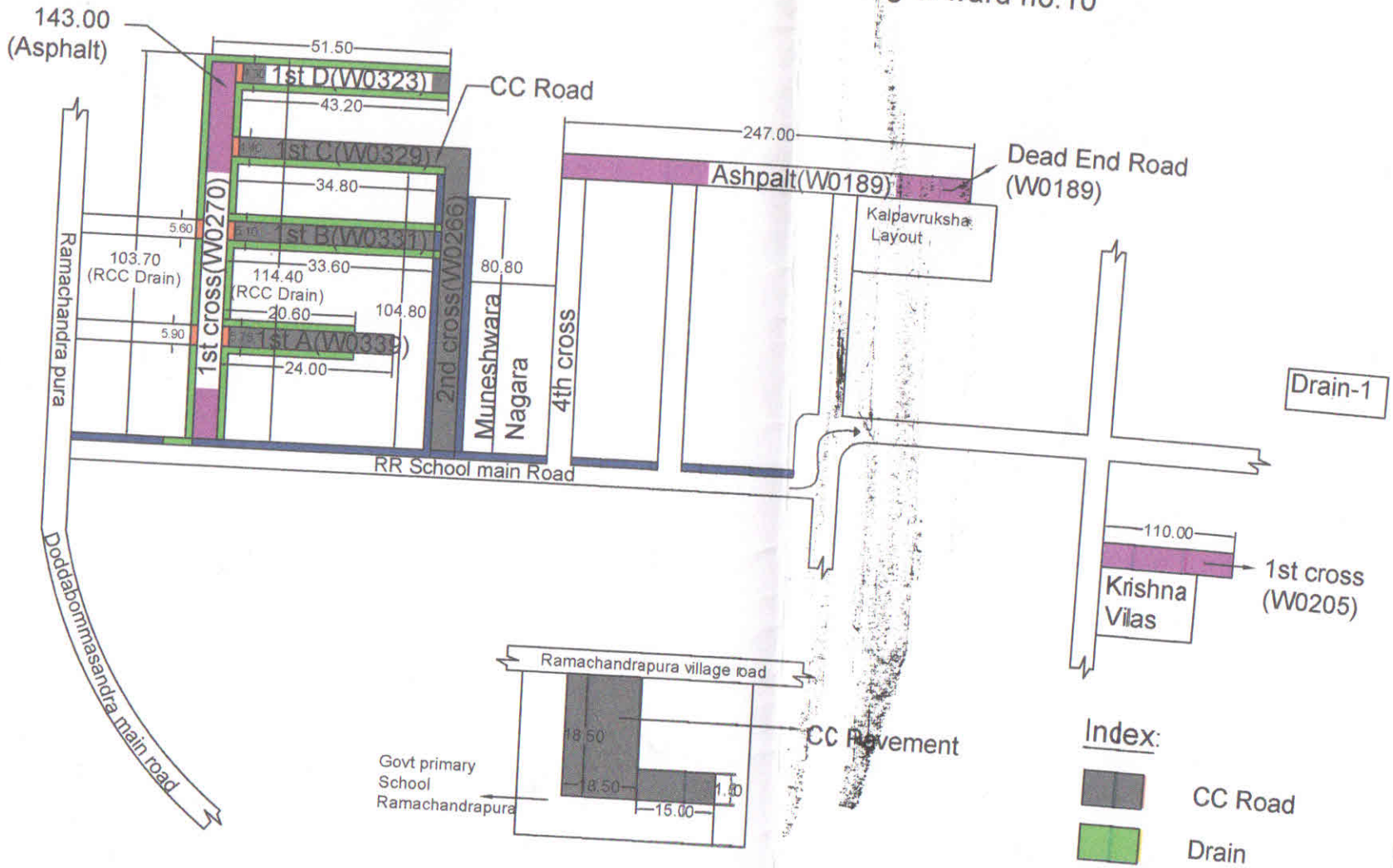
- CC Road
- Drain
- Asphalt Road
- Repair work
- Culvert

Assistant Engineer
Ward No. 10

ASSISTANT EXECUTIVE ENGINEER
Vidhyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Asst. Executive Engineer
Vidhyaranyapura Sub-Division

Name of work: Improvements of roads and drains surrounding in ward no.10



Assistant Engineer
Ward No. 10

Asst Executive Engineer
Vidhyaanyapura Sub-Division

ASSISTANT EXECUTIVE ENGINEER
Vidhyaanyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

All Dimensions are in meters.

Tel.No.22875794, 22872801
Fax 08022374092
e-mail – sebgl@kpwd.gov.in

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರ ಕಚೇರಿ
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ
ಬೆಂಗಳೂರು ವೃತ್ತ, ಬೆಂಗಳೂರು

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ವೃತ್ತ, ಬೆಂಗಳೂರು ರವರ ಕಚೇರಿ ನಡಾವಳಿಗಳು

ವಿಷಯಃ 2018-19 ನೇ ಸಾಲಿನ ಲೋಇ ಬೆಂಗಳೂರು ವೃತ್ತದ ಸಿವಿಲ್ ಕೆಲಸಗಳ ದರಪಟ್ಟಿಯ ಬಿಟ್ಯುಮಿನ್ ದರಗಳನ್ನು 2020-21 ನೇ ಸಾಲಿನ ನಾಲ್ಕನೇ ಅವಧಿಗೆ ಪರಿಷ್ಕರಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ
1. 2018-19 ನೇ ಸಾಲಿನ ಬೆಂಗಳೂರು ವೃತ್ತದ ದರಪಟ್ಟಿ ದಿನಾಂಕ 11-10-2018
2. ಈ ಕಚೇರಿ ಆದೇಶಗಳ ಸಂಖ್ಯೆ:51 ದಿ:05-04-2019 ಮತ್ತು 10 ದಿ:29-04-2020
3. ಎಂಆರ್‌ಪಿಎಲ್ ರವರ ದರಗಳ ಪಟ್ಟಿ ದಿನಾಂಕ 01-01-2021
4. Hincol ರವರ ದರಗಳ ಪಟ್ಟಿ ದಿನಾಂಕ 01-01-2021
5. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಇ ವಿಭಾಗ, ಬೆಂಗಳೂರು ರವರ ಪತ್ರ ಸಂಖ್ಯೆ: 4866 ದಿನಾಂಕ 31-12-2020 (ಸ್ವೀಕೃತಿ 01-01-2021)
6. www.materialtree.com ರವರ ದರಗಳ ಪಟ್ಟಿ ದಿ:31-12-2020 ಮತ್ತು ದಿ:01-01-2021

ಪ್ರಸ್ತಾವನೆ:

2018-19 ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ, ಬಂದರು ಮತ್ತು ಒಳನಾಡು ಜಲಸಾರಿಗೆ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ದರಪಟ್ಟಿಯಲ್ಲಿನ ಸಾಮಾನ್ಯ ಟಿಪ್ಪಣಿ ಸಂಖ್ಯೆ : 4 ರ ಪ್ರಕಾರ ಸಿಮೆಂಟ್, ಸ್ಟೀಲ್ ಮತ್ತು ಬಿಟುಮಿನ್‌ಗಳ ಪರಿಷ್ಕೃತ ದರವನ್ನು ಕೆಳಕಂಡ ಸನ್ನಿವೇಶದಲ್ಲಿ ಹೊರಡಿಸಬೇಕಾಗಿರುತ್ತದೆ.

"The prevailing market rates of cement, steel & bitumen will be assessed and the bare rates will be approved by the Superintending Engineer & published quarterly i.e., 1st April, 1st July, 1st October & 1st January whenever the variation in price is more/less than 10% over the previously approved rates".

ಉಲ್ಲೇಖ-(1)ರಲ್ಲಿ 2018-19ನೇ ಸಾಲಿನ ಬೆಂಗಳೂರು ವೃತ್ತದ ದರಪಟ್ಟಿಯನ್ನು ದಿ:10-10-2018 ರಿಂದ ಅನ್ವಯವಾಗುವಂತೆ ಜಾರಿಗೊಳಿಸಿ ಆದೇಶ ಹೊರಡಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ದರಪಟ್ಟಿಯನ್ನು ಉಲ್ಲೇಖ (2) ರಲ್ಲಿ 2019-20 ನೇ ಸಾಲಿಗೆ ಹಾಗೂ 2020-21 ನೇ ಸಾಲಿಗೆ ಮುಂದುವರೆಸಲು ಆದೇಶ ಹೊರಡಿಸಲಾಗಿರುತ್ತದೆ. ಸಿಮೆಂಟ್ ಮತ್ತು ಸ್ಟೀಲ್ ದರಗಳಲ್ಲಿ ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಆಗುತ್ತಿರುವ ವ್ಯತ್ಯಯಗಳ ಬಗ್ಗೆ ಇತರ ಇಲಾಖೆಗಳ ಮುಖ್ಯಸ್ಥರು ಮತ್ತು ಗುತ್ತಿಗೆದಾರರು ದರಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಪ್ರಕಟಿಸಲು ಮನವಿ ಮಾಡಿರುತ್ತಾರೆ. ಮಾರುಕಟ್ಟೆ ವ್ಯತ್ಯಯದಿಂದ ಹಾಗೂ ದೈನಂದಿನ ವಹಿವಾಟು ದಿನಪತ್ರಿಕೆಗಳಲ್ಲಿ ಈ ಕುರಿತು ಪ್ರಕಟವಾಗುತ್ತಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಿಮೆಂಟ್ ಮತ್ತು ಸ್ಟೀಲ್ ದರಗಳನ್ನು ವಿವಧ ನಮೂನೆಯಲ್ಲಿ ಪರಿಶೀಲಿಸಲಾಗಿರುತ್ತದೆ. ಈ ಕುರಿತು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಇ ಬೆಂಗಳೂರು ವಿಭಾಗ ರವರಿಗೆ ಮಾರಕಟ್ಟೆ ದರಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ವರದಿ ಸಲ್ಲಿಸಲು ಸೂಚಿಸಲಾಗಿರುತ್ತದೆ.

ದಿನಾಂಕಃ 01-01-2021 ರಂದು ಉಲ್ಲೇಖ-(3) ಮತ್ತು(4) ರಲ್ಲಿನ ದರಗಳ ಪಟ್ಟಿಯಂತೆ ಬಿಟ್ಯುಮಿನ್ ದರಗಳನ್ನು ಲೆಕ್ಕಚಾರ ಮಾಡಲಾಗಿರುತ್ತದೆ. ಈ ಹಿಂದೆ ದಿನಾಂಕ 01-07-2020 ರಂದು ಪರಿಷ್ಕರಿಸಲಾದ ದರಗಳಿಗೆ ಹೋಲಿಸಿದಾಗ ಶೇ.10 ಕ್ಕಿಂತ ಹೆಚ್ಚು/ಕಡಿಮೆ ವ್ಯತ್ಯಾಸ ಕಂಡುಬಂದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಬಿಟುಮಿನ್ ದರಗಳನ್ನು ಪರಿಷ್ಕರಿಸಬೇಕಿರುತ್ತದೆ. ಸಿಮೆಂಟ್ ಮತ್ತು ಸ್ಟೀಲ್ ದರಗಳನ್ನು ಉಲ್ಲೇಖ (5) ರಲ್ಲಿ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಇ ವಿಭಾಗ, ಬೆಂಗಳೂರು ರವರಿಂದ ದರಗಳನ್ನು ಪಡೆದು

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ಪರಿಗಣಿಸಲಬಹುದಾದ ಸರಾಸರಿ ದರವನ್ನು ಪರಿಗಣಿಸಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿರುತ್ತಾರೆ. ಉಲ್ಲೇಖ (6) ರಲ್ಲಿ www.materialtree.com ರವರ ದರಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಲೆಕ್ಕಾಚಾರ ಮಾಡಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಸಿಮೆಂಟ್ : ಸ್ಟೀಲ್ ದರಗಳನ್ನು ಕ್ರಮವಾಗಿ ದಿನಾಂಕ 21-10-2019 ರಿಂದ ಹಾಗೂ 01-07-2020 ರಿಂದ ಚಾಲ್ತಿಯಲ್ಲಿದ್ದ ದರಗಳಿಗೆ ಹೋಲಿಸಿದಾಗ ಶೇ.10 ಕ್ಕಿಂತ ಹೆಚ್ಚು/ಕಡಿಮೆ ಇರುವುದು ಕಂಡುಬಂದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಪರಿಷ್ಕರಿಸಬೇಕಿರುತ್ತದೆ.

ಆದೇಶ ಸಂಖ್ಯೆ:ಎಸ್‌ಇಬಿಸಿ:ಎಇ-3:ದರಪಟ್ಟಿ:2020-21 ಸಂ: 3967 ದಿನಾಂಕ : 01 JAN 2021

ಮೇಲಿನ ವಿವರಣೆಯಂತೆ ಪರಿಷ್ಕೃತ ಸಿಮೆಂಟ್ : ಸ್ಟೀಲ್ : ಬಿಟುಮಿನ್ ದರಗಳನ್ನು ಪ್ರಕಟಿಸಿ ದಿನಾಂಕ:01-01-2021 ರಿಂದ ಚಾಲ್ತಿಯಲ್ಲಿರುವಂತೆ ಆದೇಶ ಹೊರಡಿಸಿದೆ.

Sl.No	Material	Unit	Rate considered in 2018-19 SR from 10-10-2018 to 09-04-2019	Rate considered from 10-04-2019 to 20-10-2019	Rate considered from 21-10-2019 to 31-12-2020	Current rate wef 01-01-2021
						Rate excluding GST
1	Cement	Bag	245.31	293.75	264.06	300.78

Sl.No.	Material	Unit	Rate considered in 2018-19 SR from 10-10-2018 to 30-06-2020	Rate considered from 01-07-2020 to 31-12-2020	Current rate wef 01-01-2021
					Rate excluding GST
1	Steel Fe 500	t	46150.85	41119.00	45360.00
2	Steel Fe 550	t	46574.58	41542.00	45783.00

Sl. No	Material	Unit	Rate considered in 2018-19 SR from 10-10-2018 to 31-12-2018	Rate considered from 01-01-2019 to 20-10-2019	Rate considered from 21-10-2019 to 02-01-2020	Rate considered from 03-01-2020 to 19-05-2020	Rate considered from 20-05-2020 to 30-06-2020	Rate considered from 01-07-2020 to 31-12-2020	Current rate wef 01-01-2021
									Rate excluding GST
1	Bitumen 80/100 Bulk	t	38282.20	31751.69	31751.69	31751.69	31751.69	31751.69	31751.69
2	Bitumen 80/100 Packed	t	41482.20	34951.69	34951.69	34951.69	34951.69	34951.69	34951.69
3	Bitumen 60/70 Bulk	t	39082.20	32551.69	36872.03	30583.05	23983.05	29142.37	35838.13
4	Bitumen 60/70 Packed	t	42282.20	35751.69	41072.03	36083.05	28983.05	34142.37	41142.37
5	CRMB	t	40156.78	34277.11	38166.95	32958.47	27017.79	31658.47	37955.93
6	Bitumen emulsion	t	39082.20	32551.69	36872.95	30583.05	28408.47	31840.67	35989.83

ಅಡಕ : ಸಂಬಂಧಿತ ದರಗಳು

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಲೋಇ ಬೆಂಗಳೂರು ವೃತ್ತ

ಪ್ರತಿಯನ್ನು:

1. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
2. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.

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3. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಸಣ್ಣ ನೀರಾವರಿ ಇಲಾಖೆ, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
4. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಪಂಚಾಯತ್ ಇಂಜಿನಿಯರಿಂಗ್ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.
5. ಪ್ರಧಾನ ಅಭಿಯಂತರರು, ಪ್ರಾಂಸಿ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗೆ ಸಲ್ಲಿಸುತ್ತಾ,ಇಲಾಖಾ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಅಪ್‌ಲೋಡ್ ಮಾಡಲು ಕೋರಿದೆ.
6. ಮುಖ್ಯ ಅಭಿಯಂತರರು, ಸಂಪರ್ಕ ಮತ್ತು ಕಟ್ಟಡಗಳು (ದ) ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗೆ ಸಲ್ಲಿಸಿದೆ.
7. ನಿರ್ದೇಶಕರು, ಇ-ಪ್ರೊಕ್ಯೂರ್‌ಮೆಂಟ್, ಬಹುಮಹಡಿಗಳ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗೆ ಸಲ್ಲಿಸುತ್ತಾ, ಇ-ಪ್ರೋಕ್ ಪೋರ್ಟಲ್‌ನಲ್ಲಿ ಸದರಿ ದರಗಳನ್ನು ಅಪ್‌ಲೋಡ್ ಮಾಡಲು ಕೋರಿದೆ.
8. ಮುಖ್ಯ ಅಭಿಯಂತರರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗೆ ಸಲ್ಲಿಸಿದೆ.
9. ಮುಖ್ಯ ಅಭಿಯಂತರರು, ಬೆಂಗಳೂರು ಅಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ, ಬೆಂಗಳೂರು ರವರ ಘನ ಮಾಹಿತಿಗೆ ಸಲ್ಲಿಸಿದೆ.
10. ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು, ಲೋಇ ವೃತ್ತ, ಮೈಸೂರು, ಹಾಸನ, ಮಂಗಳೂರು, ಬಳ್ಳಾರಿ, ಕಲ್ಬುರ್ಗಿ, ಬೆಳಗಾವಿ, ಧಾರವಾಡ ಮತ್ತು ಶಿವಮೊಗ್ಗ ರವರುಗಳ ಮಾಹಿತಿಗಾಗಿ ಇ-ಮೇಲ್ ಮುಖಾಂತರ ಕಳುಹಿಸಿದೆ.
11. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಇ ವಿಭಾಗ, ಬೆಂಗಳೂರು, ರಾಮನಗರ, ಕೋಲಾರ, ತುಮಕೂರು, ಮಧುಗಿರಿ ಮತ್ತು ಚಿಕ್ಕಬಳ್ಳಾಪುರ ರವರುಗಳ ಮಾಹಿತಿಗಾಗಿ ಹಾಗೂ ತಮ್ಮ ವ್ಯಾಪ್ತಿಯ ಎಲ್ಲಾ ಉಪ ವಿಭಾಗಗಳಿಗೂ ಪ್ರತಿಯನ್ನು ರವಾನಿಸಲು ಸೂಚಿಸಿದೆ.

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಲೋಇ ಬೆಂಗಳೂರು ವೃತ್ತ

ಬಿಟ್ಯುಮಿನ್ ಸಂಬಂಧಿತ ದರಗಳು

ಕ್ರಸಂ	2018-19ರ ದರಪಟ್ಟಿ ಕ್ರಮ ಸಂ.	ಯೂನಿಟ್	ದಿನಾಂಕ 10-10-2018 ರಿಂದ 31-12-2018 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ದರ ರೂ.ಗಳಲ್ಲಿ	ದಿನಾಂಕ 01-01-2019 ರಿಂದ 20-10-2019 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ	ದಿನಾಂಕ 21-10-2019 ರಿಂದ 02-01-2020 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ	ದಿನಾಂಕ 03-01-2020 ರಿಂದ 19-05-2020 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ	ದಿನಾಂಕ 20-05-2020 ರಿಂದ 30-06-2020 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ	ದಿನಾಂಕ 01-07-2020 ರಿಂದ 31-12-2020 ರವರೆಗೆ ಪಾತ್ತಿಯಲ್ಲಿದ್ದ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ	ದಿನಾಂಕ 01-01-2021 ರಿಂದ ಪಾತ್ತಿ ವಿತರಣಾ ದರ ರೂ. ಗಳಲ್ಲಿ
1	21.5	m^2	44	37	42	35	33	37	41
2	21.6	m^2	34	28	32	27	25	28	32
3	21.7	m^2	14	12	12	12	12	12	12
4	21.9	m^2	23	20	20	20	20	20	20
5	21.10	m^2	12	10	10	10	10	10	10
6	21.11.1	m^3	5863	5294	5670	5122	4547	4997	5580
7	21.11.2	m^3	6318	5732	6120	5556	4963	5427	6028
8	21.11.3	m^3	5734	5165	5541	4993	4418	4868	5452
9	21.11.4	m^3	5866	5280	5668	5103	4511	4974	5575
10	21.11.5	m^3	5691	5122	5498	4950	4376	4825	5409
11	21.11.6	m^3	5823	5237	5625	5060	4468	4932	5533
12	21.12	m^2	385	362	362	362	362	362	362
13	21.17.1	m^3	6870	6146	6625	5928	5198	5769	6511
14	21.17.2	m^3	7464	6650	7189	6405	5583	6226	7060
15	21.17.3	m^3	6734	6011	6490	5793	5062	5634	6375
16	21.17.4	m^3	7329	6515	7053	6270	5448	6090	6925
17	21.17.5	m^3	6687	5964	6442	5746	5015	5587	6328
18	21.17.6	m^3	7284	6470	7008	6224	5403	6045	6880
19	21.20.1	m^3	7461	6648	7186	6402	5580	6223	7058
20	21.20.2	m^3	7997	7093	7691	6820	5907	6621	7549
21	21.20.3	m^3	7328	6514	7053	6269	5447	6090	6924
22	21.20.4	m^3	7866	6962	7560	6690	5776	6491	7418
23	21.20.5	m^3	7281	6467	7005	6222	5400	6043	6877
24	21.20.6	m^3	7821	6917	7515	6645	5731	6446	7373
25	21.20.7	m^3	7364	6550	6550	6550	6550	6550	6550

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26	21.20.8	m^3	7893	6989	6989	6989	6989	6989	6989
27	21.20.9	m^3	7228	6414	6414	6414	6414	6414	6414
28	21.20.10	m^3	7758	6854	6854	6854	6854	6854	6854
29	21.20.11	m^3	7376	6562	6562	6562	6562	6562	6562
30	21.20.12	m^3	7713	6809	6809	6809	6809	6809	6809
31	21.21.1	m^3	7595	6862	7347	6698	5958	6536	7321
32	21.21.2	m^3	8151	7337	7875	7154	6332	6975	7847
33	21.21.3	m^3	7462	6729	7214	6565	5825	6403	7188
34	21.21.4	m^3	8015	7201	7740	7019	6197	6839	7711
35	21.21.5	m^3	7416	6684	7168	6519	5779	6358	7143
36	21.21.6	m^3	7970	7156	7695	6974	6152	6794	7666
37	21.22.1	m^3	8367	7410	8043	7121	6154	6910	7892
38	21.22.2	m^3	8656	7648	8315	7345	6327	7123	8156
39	21.22.3	m^3	8230	7272	7906	6983	6016	6773	7755
40	21.22.4	m^3	8518	7510	8177	7207	6189	6985	8017
41	21.22.5	m^3	8184	7226	7860	6937	5970	6727	7708
42	21.22.6	m^3	8472	7464	8131	7161	6143	6939	7972
43	21.23.1	m^3	8525	7663	8234	7470	6599	7280	8203
44	21.23.2	m^3	8822	7915	8515	7711	6795	7511	8483
45	21.23.3	m^3	8389	7527	8098	7334	6463	7144	8067
46	21.23.4	m^3	8685	7778	8378	7575	6659	7375	8346
47	21.23.5	m^3	8343	7481	8052	7288	6417	7098	8021
48	21.23.6	m^3	8639	7732	8332	7529	6613	7329	8300
49	21.26	m^2	95	86	86	86	86	86	86
50	21.27	m^2	77	69	69	69	69	69	69
51	21.32	m^2	139	127	127	127	127	127	127
52	21.33	m^2	142	132	139	130	120	128	139
53	21.36	m^2	155	138	150	133	116	130	147
54	21.37	m^2	158	143	153	139	124	136	153
55	21.38	m^2	144	129	139	124	110	121	137
56	21.39	m^2	146	133	142	130	117	127	142
57	21.40	m^2	171	154	165	149	132	145	163
58	21.41	m^2	174	158	169	155	140	152	168

SEBC

92	21.78.1	m^3	8120	7240	7240	7240	7240	7240	7240
93	21.78.2	m^3	8395	7468	7468	7468	7468	7468	7468
94	21.78.3	m^3	7675	6794	6794	6794	6794	6794	6794
95	21.78.4	m^3	8257	7330	7330	7330	7330	7330	7330
96	21.78.5	m^3	7826	6945	6945	6945	6945	6945	6945
97	21.78.6	m^3	8408	7481	7481	7481	7481	7481	7481
98	21.78.7	m^3	8228	7348	7930	7082	6192	6889	7791
99	21.78.8	m^3	8509	7582	8195	7302	6365	7098	8048
100	21.78.9	m^3	7783	6902	7485	6637	5747	6443	7346
101	21.78.10	m^3	8370	7443	8057	7164	6227	6960	7910
102	21.78.11	m^3	7933	7053	7635	6788	5898	6594	7497
103	21.78.12	m^3	8521	7594	8207	7315	6379	7111	8061
104	21.79.1	m^3	10298	9230	9937	8908	7830	8673	9768
105	21.79.2	m^3	10310	9242	9949	8920	7841	8685	9780
106	35.4	m^2	193	175	175	175	175	175	175
107	35.5	m^2	345	307	308	306	306	306	308
108	35.13.1	m^2	333	313	324	308	291	304	322
109	35.13.2	m^2	426	406	417	400	384	397	415
110	35.14.1	m^2	185	166	177	161	144	157	174
111	35.14.2	m^2	196	171	186	164	142	160	183
112	35.14.3	m^2	372	330	356	318	278	309	350
113	35.14.4	m^2	560	497	537	479	418	466	528
114	38.39.1	Unit	33005	32150	32687	31943	31162	31866	32617
115	38.39.2	Unit	39017	37690	38529	37345	36104	37167	38387
116	38.39.3	Unit	50370	48603	49711	48135	46483	47868	49504
117	38.40.1	Unit	36376	35097	35914	34762	33554	34592	35778
118	38.40.2	Unit	40385	38841	39823	38431	36971	38205	39467
119	38.40.3	Unit	52191	50134	51433	49580	47636	49249	51182
120	38.41.1.1	Unit	18580	17960	18363	17814	17239	17782	18325
121	38.41.1.2	Unit	18132	17519	17917	17376	16809	17346	17881
122	38.41.1.3	Unit	22847	21982	22533	21769	20968	21688	22460
123	38.41.2.1	Unit	26422	25387	26043	25126	24164	25010	25945
124	38.41.2.2	Unit	21948	20926	21558	20657	19712	20498	21437

SERC

59	21.42	m^2	164	149	160	145	131	143	158
60	21.43	m^2	162	149	158	146	132	143	158
61	21.45.1	m^2	58	50	50	50	50	50	50
62	21.45.2	m^2	45	40	40	40	40	40	40
63	21.47	m^2	741	739	739	739	739	739	739
64	21.53	m^2	43	36	40	34	32	35	40
65	21.55	m^3	12913	11110	12303	10567	9967	10915	12060
66	21.56	m^3	11215	9696	10701	9239	8733	9532	10497
67	21.67	m^2	66	59	64	57	50	56	64
68	21.68	m^2	71	63	68	61	54	60	68
69	21.69	m^2	90	80	87	77	67	75	87
70	21.70	m^2	124	116	116	116	116	116	116
71	21.71	m^3	6918	6150	6658	5918	5663	6066	6554
72	21.72	m^3	9434	8235	9028	7873	7475	8105	8867
73	21.73	m^3	10872	9415	10379	8975	8490	9256	10182
74	21.74.1	m^3	5701	5066	5486	4875	4234	4735	5386
75	21.74.2	m^3	5720	5085	5505	4894	4253	4754	5405
76	21.74.3	m^3	4405	3979	4261	3850	3420	3757	4194
77	21.74.4	m^3	4424	3998	4280	3870	3439	3776	4213
78	21.75	m^2	153	137	137	137	137	137	137
79	21.76	m^2	147	132	132	132	132	132	132
80	21.77.1	m^3	7236	6490	6490	6490	6490	6490	6490
81	21.77.2	m^3	7751	6922	6922	6922	6922	6922	6922
82	21.77.3	m^3	7101	6355	6355	6355	6355	6355	6355
83	21.77.4	m^3	7616	6787	6787	6787	6787	6787	6787
84	21.77.5	m^3	7056	6309	6309	6309	6309	6309	6309
85	21.77.6	m^3	7571	6742	6742	6742	6742	6742	6742
86	21.77.7	m^3	7328	6581	7075	6356	5603	6192	6957
87	21.77.8	m^3	7853	7024	7572	6774	5936	6591	7442
88	21.77.9	m^3	7192	6446	6940	6221	5467	6057	6822
89	21.77.10	m^3	7717	6888	7437	6638	5801	6456	7306
90	21.77.11	m^3	7147	6401	6895	6176	5422	6012	6777
91	21.77.12	m^3	7672	6843	7392	6593	5756	6411	7261

SEBO

125	38.41.2.3	Unit	33474	32032	32933	31659	30324	31462	32777
126	38.41.3.1	Unit	45942	43871	45156	43322	41394	42996	44908
127	38.41.3.2	Unit	44396	42345	43614	41803	39905	41483	43369
128	38.41.3.3	Unit	60040	57157	58932	56384	53713	55896	58566
129	38.41.4.1	Unit	65436	62329	64244	61492	58607	60957	63845
130	38.41.4.2	Unit	63103	60031	61919	59206	56363	58681	61526
131	38.41.4.3	Unit	86567	82248	84894	81076	77073	80298	84320
132	4.46.2	t	70966					64410	69936
133	4.46.3	t	71518					64961	70487
134	28.8.2	t	68233					61365	67154
135	28.8.3	t	68812					61943	67732
136	29.29.2	t	69804					62936	68725
137	29.29.3	t	70250					63381	69170

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BRUHAT BANGALORE MAHANAGARA PALIKE

Data Rate As Per 2018-19

Kengeri Division

Rate Analysis For 250mm Thick Precast Slab

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions			Quantity	Rate in Rs.	Total Amount in Rs
				L in m	B in m	D in m			
1	KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design Mix M25 with OPC @ 340kgs**, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
		Cum							
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			6045.00					
	Add 6% Area Weigtage			362.70					
	Total Rate in Rs.			**6407.70**					
			1	1.80	0.60	0.250	0.27		
							0.27	**6407.70**	**1730.08**
2	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface such as suspended floors, roofs, landings, balconies and likes,** thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No.4.30 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			440.00					
	Add 6% Area Weigtage			26.40					
	Total Rate in Rs.			**466.40**					
			1	1.80	0.60		1.08		
							1.08	**466.40**	**503.71**
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses** cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			358.00					
	Add 6% Area Weigtage			21.48					
	Total Rate in Rs.			**379.48**					
			2	1.80	0.25		0.90		
			2	0.60	0.25		0.30		
							1.20	**379.48**	**455.38**

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4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
		Tonne							
	(Page No 18,I.No.4.46.2 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			70966.00					
	Add 6% Area Weigtage			4257.96					
	Total Rate in Rs.			75223.96					
	Steel 16mm dia Main rod @150mm c/c	1.58kg/cum	2	5.00	2.20		22.00		
	Lifting Hook 10mm dia - 2 Nos	0.62kg/cum	1	2.00	0.30		0.60		
							22.60		
							0.04		
	Steel 8mm dia - Main rod @150mm c/c	0.40kg/cum	2	13.00	0.60		15.60		
							0.01		
							0.04	75223.96	3155.49
5	Refixing of Precast slabs of drains and pointing in C.M (1:3)								
		Sqm							
	Rate Analysis								
a	**Removing & Refixing stone slabs of drains**			105.00					
b	**Removing B.S. slab of Drain and stacking. (**			99.00					
	Arrived Rate (a-b)			6.00					
	Add 6% Area Weigtage			0.36					
	Total Rate in Rs.			6.36					
			1	1.80	0.60		1.08		
							1.08	6.36	6.87
	Total								5851.53

Therefore cost for Per Sqm= Total/(1.8*0.6) $\frac{5851.53}{(1.8*0.6)}$ 5418.08

Say 5418.00 - 250 mm

Asst Engineer
Ward No.40

Asst Executive Engineer
Heronalli Sub-Division

Executive Engineer
Kengeri Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Data Rate As Per 2018-19

Kengeri Division

Rate Analysis For 10CM Thick Precast Slab

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount in Rs
1	KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design Mix M25 with OPC @ 340kgs**, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
		Cum							
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			6045.00					
	Add 6% Area Weigtage			362.70					
	Total Rate in Rs.			6407.70					
			1	2.00	0.60	0.100	0.12		
							0.12	6407.70	768.92
2	Refixing of Precast slabs of drains and pointing in C.M (1:3)								
		Sqm							
	Rate Analysis								
a	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).			105.00					
b	Removing B.S. slab of Drain and stacking. (			99.00					
	Arrived Rate (a-b)			6.00					
	Add 6% Area Weigtage			0.36					
	Total Rate in Rs.			**6.36**					
			1	2.00	0.60		1.20		
							1.20	6.36	7.63
3	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface such as suspended floors, roofs, landings, balconies and likes**, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2								
		Sqm							
	(Page No 16,I.No.4.30 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			440.00					
	Add 6% Area Weigtage			26.40					
	Total Rate in Rs.			466.40					
	Deduct 25% of Verticle Strating			116.60					
	Grand Total			349.80					
			1	2.00	0.60		1.20		
							1.20	349.80	419.76
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses** cost of all materials, labour complete as per specifications. Specification								
		Sqm							
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19).								

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	Rate Analysis								
	Basic Rate in Rs.			358.00					
	Add 6% Area Weigtage			21.48					
	Total Rate in Rs.			**379.48**					
	Deduct 25% of Verticle Strating			**94.87**					
	Grand Total			**284.61**					
			2	2.00	0.10		0.40		
			2	0.60	0.10		0.12		
							0.52	**284.61**	**148.00**
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
	Tonne								
	(Page No 18,I.No.4.46.2 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			70966.00					
	Add 6% Area Weigtage			4257.96					
	Total Rate in Rs.			**75223.96**					
	12mm dia@150mm c/c	0.89kg/cum	7	2.00			14.00		
	10mm dia@150mm c/c	0.62kg/cum	15	0.60			9.00		
							0.01		
							0.01		
							0.02	**75223.96**	**1357.04**
6	0282 P.V.C pipes unplasticised 32mm								
	Per Rmtr								
	(Page No XXVI,Sl.No.674 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			55.08					
	Total Rate in Rs.			**55.08**					
	pipe for weep hole		8	0.10			0.80		
							0.80	**55.08**	**44.06**
7	KSRB15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications.								
	Sqm								
	(Page No 118,I.No.15.32 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			19.00					
	Add 6% Area Weigtage			1.14					
	Total Rate in Rs.			20.14					
			2	2.00	0.60		2.40		
			2	2.00		0.10	0.40		
			2	0.60		0.10	0.12		
							2.92	20.14	58.81
				Total					2804.23

Therefore cost for Per Sqm= Total/(2*0.6) $\frac{2804.23}{(2.0*0.6)}$ 2336.86

Say 2337.00 - 100 mm

Asst Engineer
Ward No.40

Asst Executive Engineer
Herohalli Sub-Division

Executive Engineer
Kengeri Division

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